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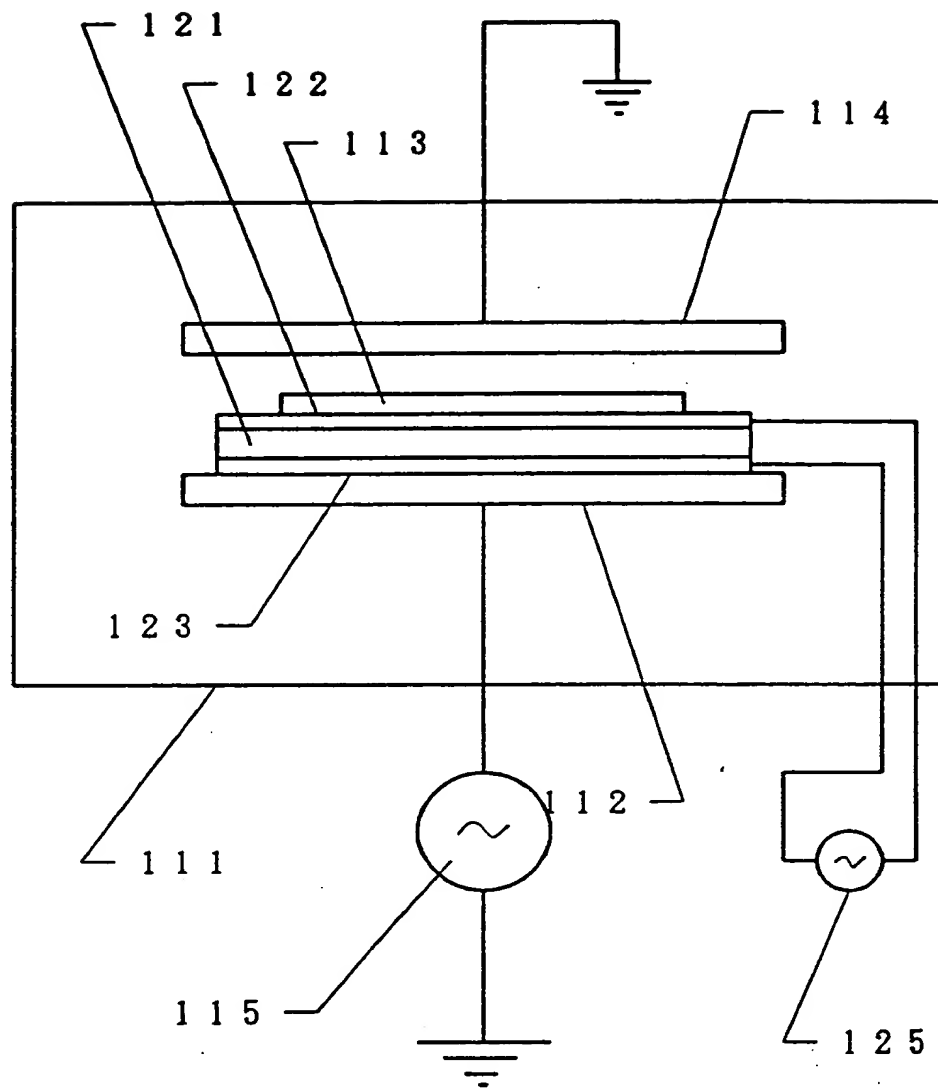
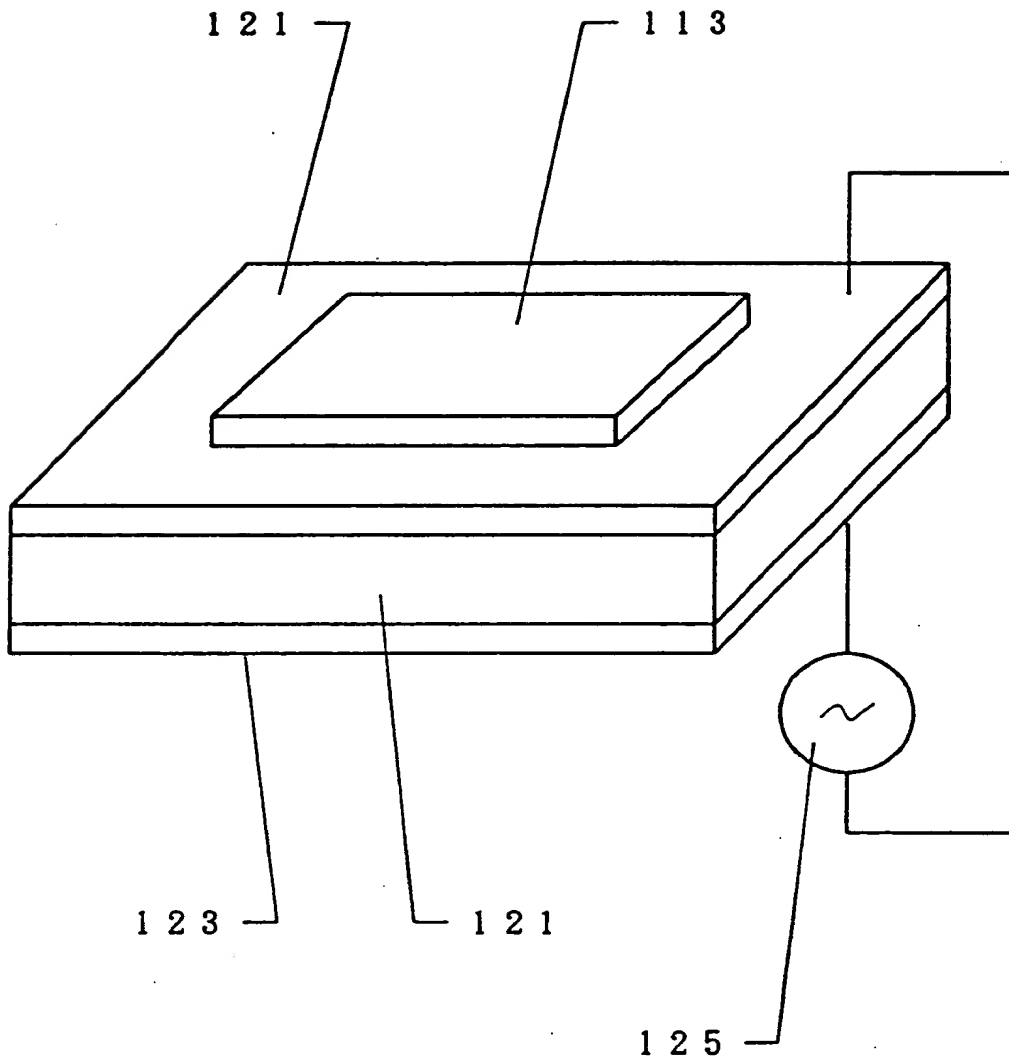


FIG. 1

FIG. 1 is a schematic diagram of a capacitive sensor system. It features a top horizontal plate (113) connected to a ground symbol (114). Below it is a central electrode (111), which is a smaller rectangular plate. At the bottom is another horizontal plate (115) connected to an AC voltage source (112), represented by a circle with a tilde symbol. The AC source (112) is also connected to a ground symbol (115). The entire assembly is enclosed in a rectangular frame.

FIG. 2



F I G. 3

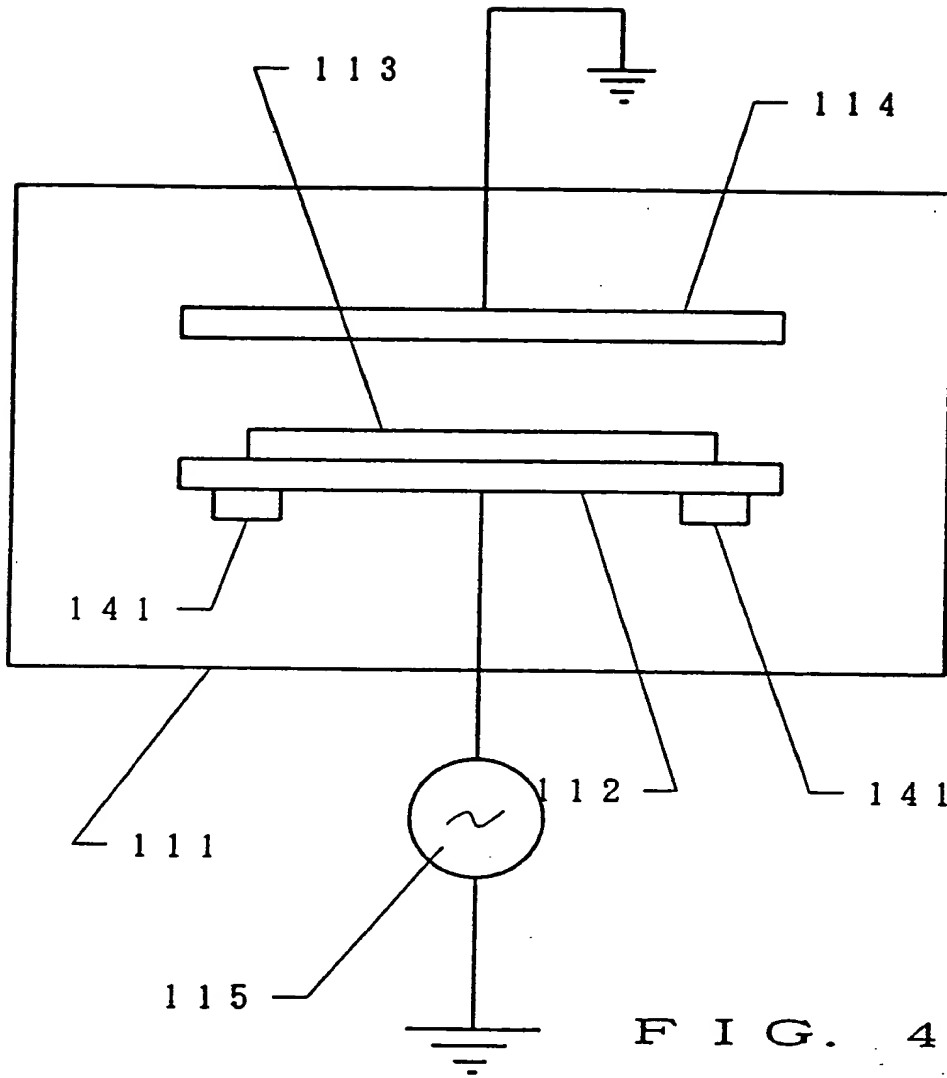


FIG. 4

665160" F292260

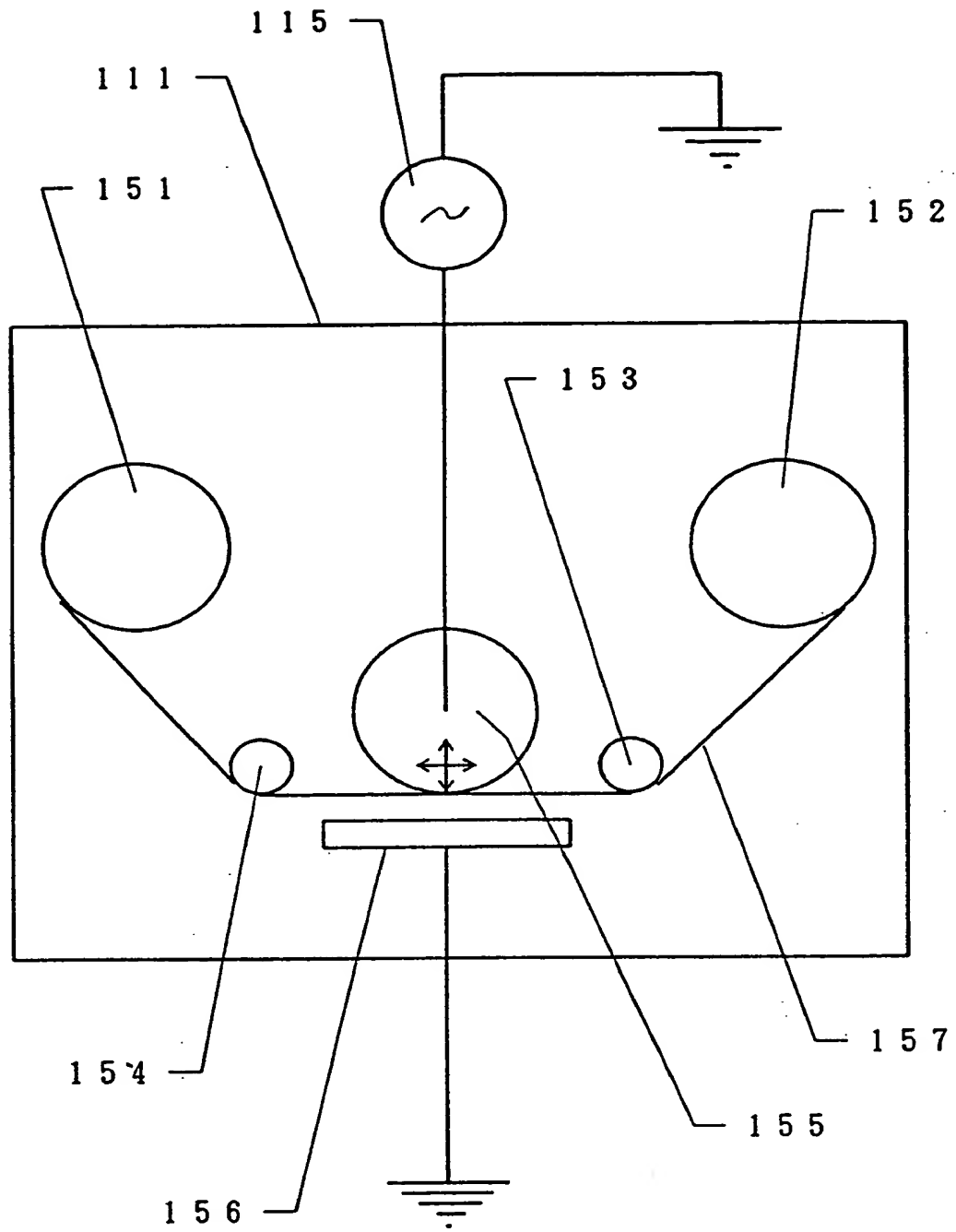


FIG. 5

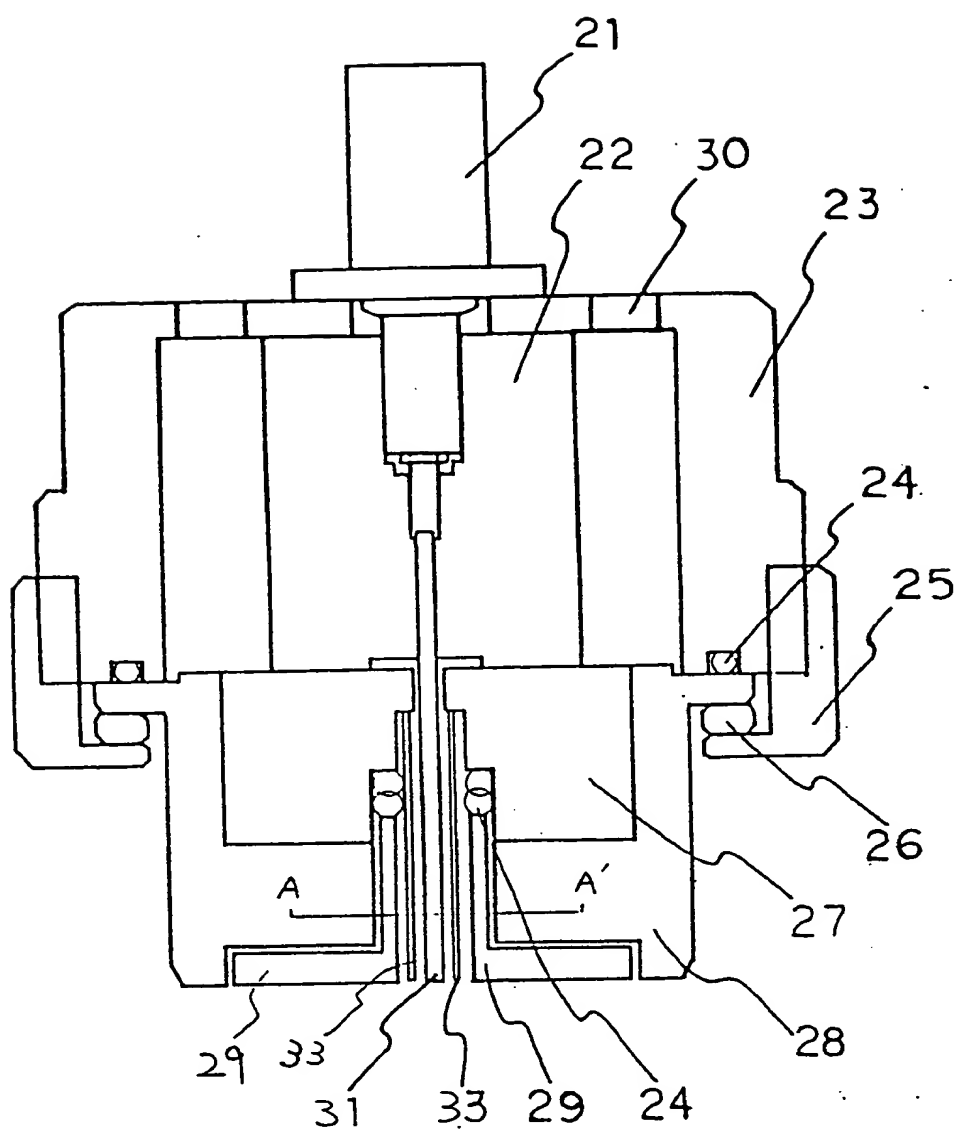


FIG. 6

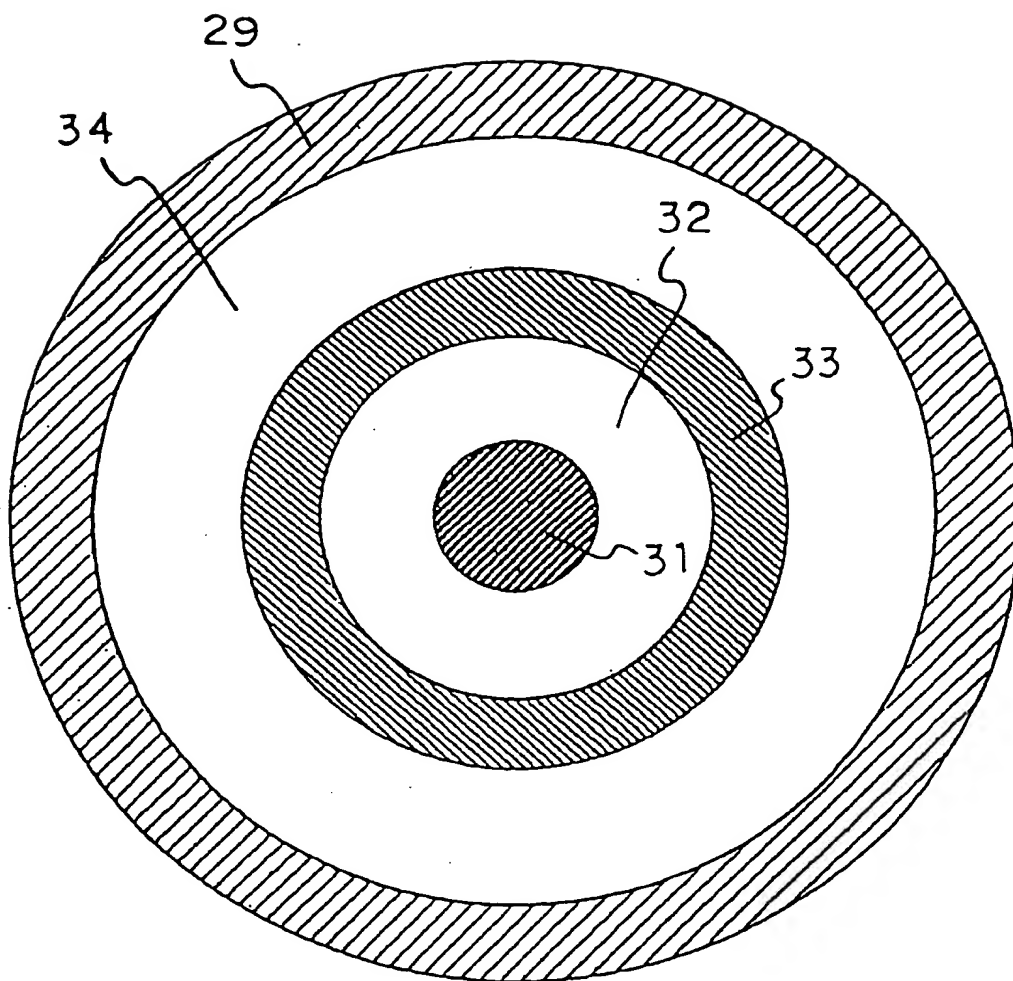


FIG. 7

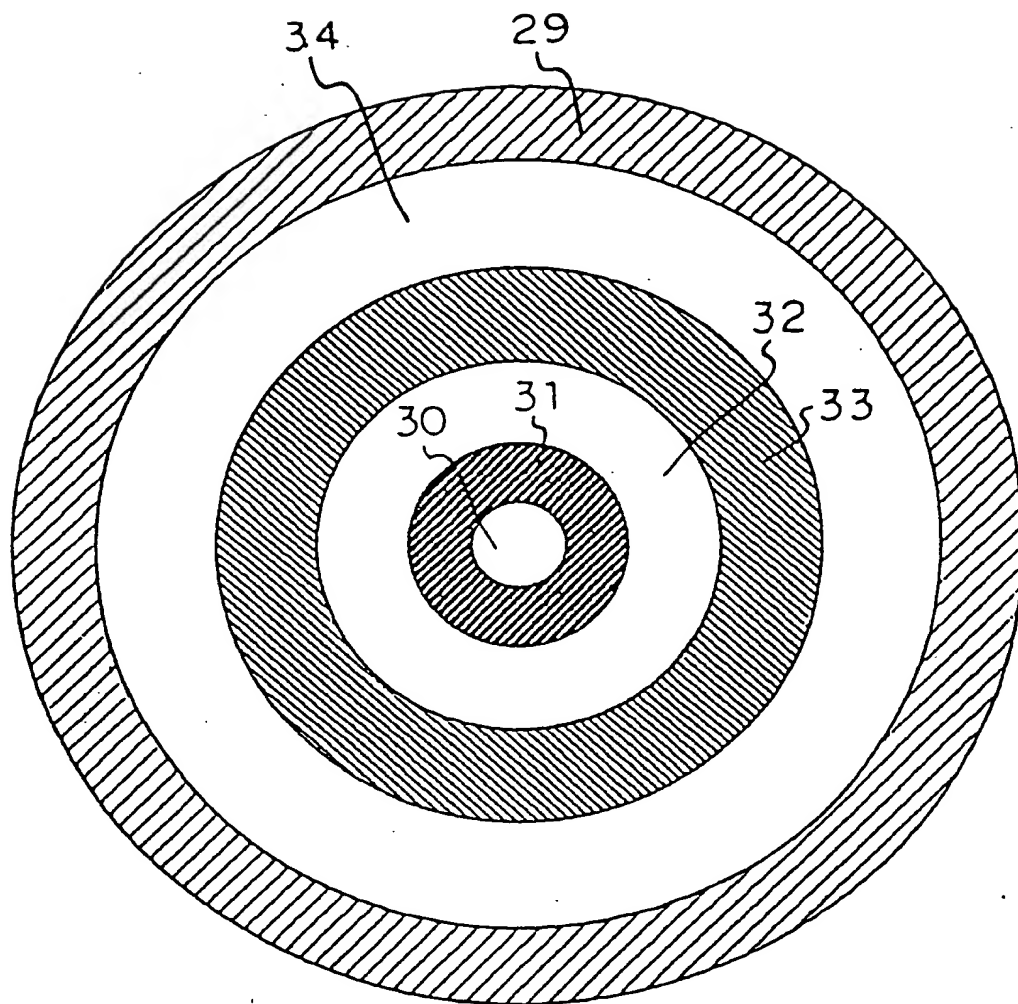


FIG. 8



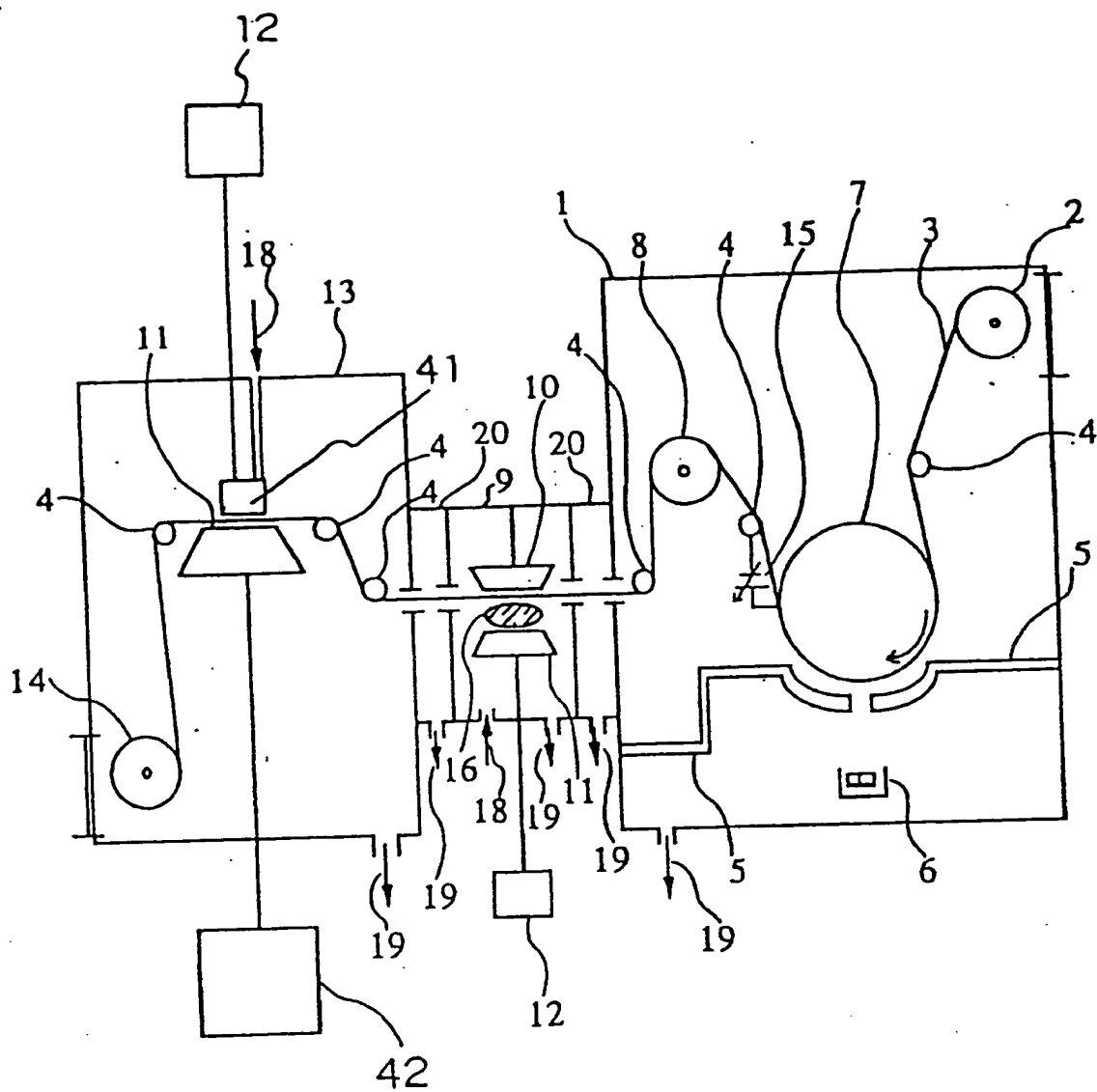
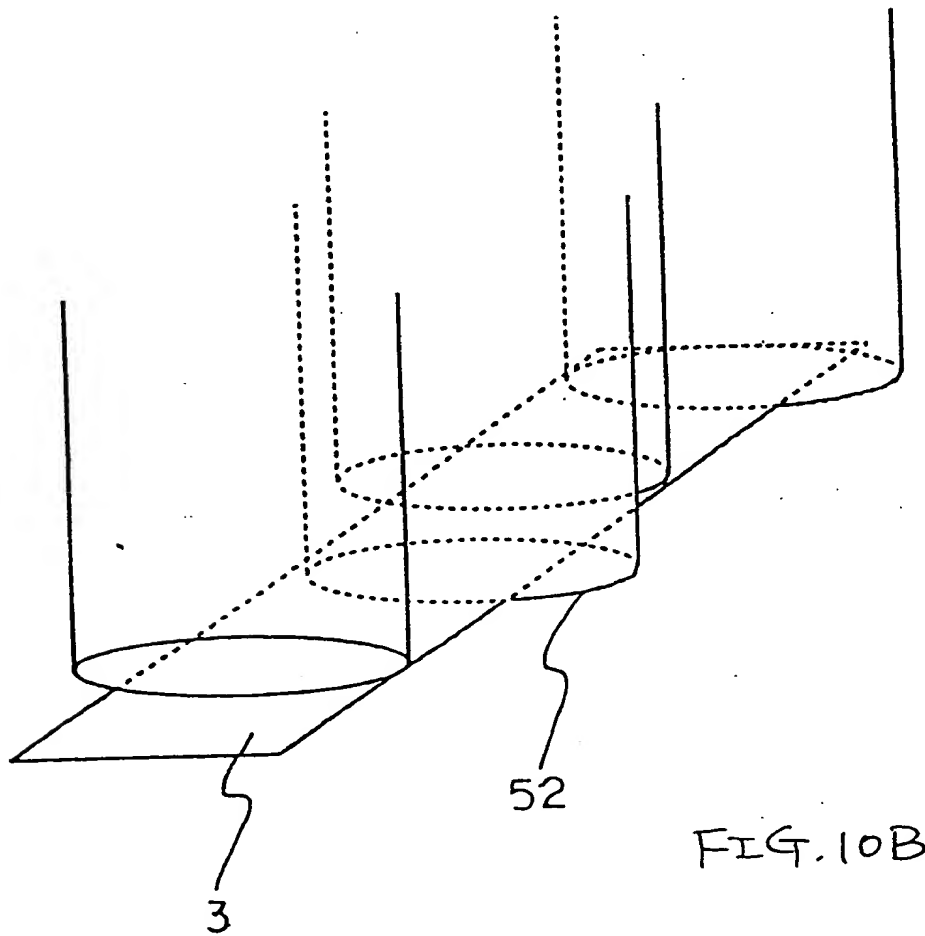
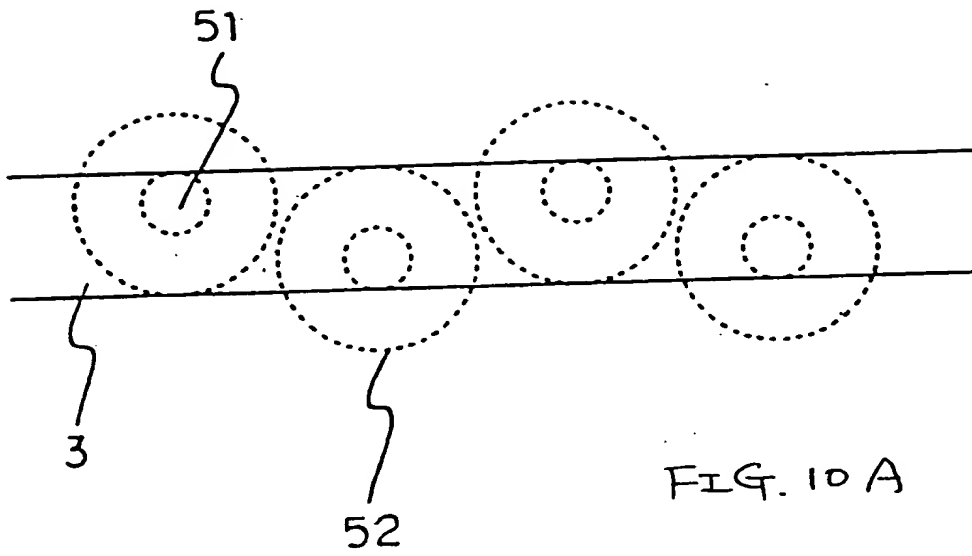


FIG. 9



0095331.00166666

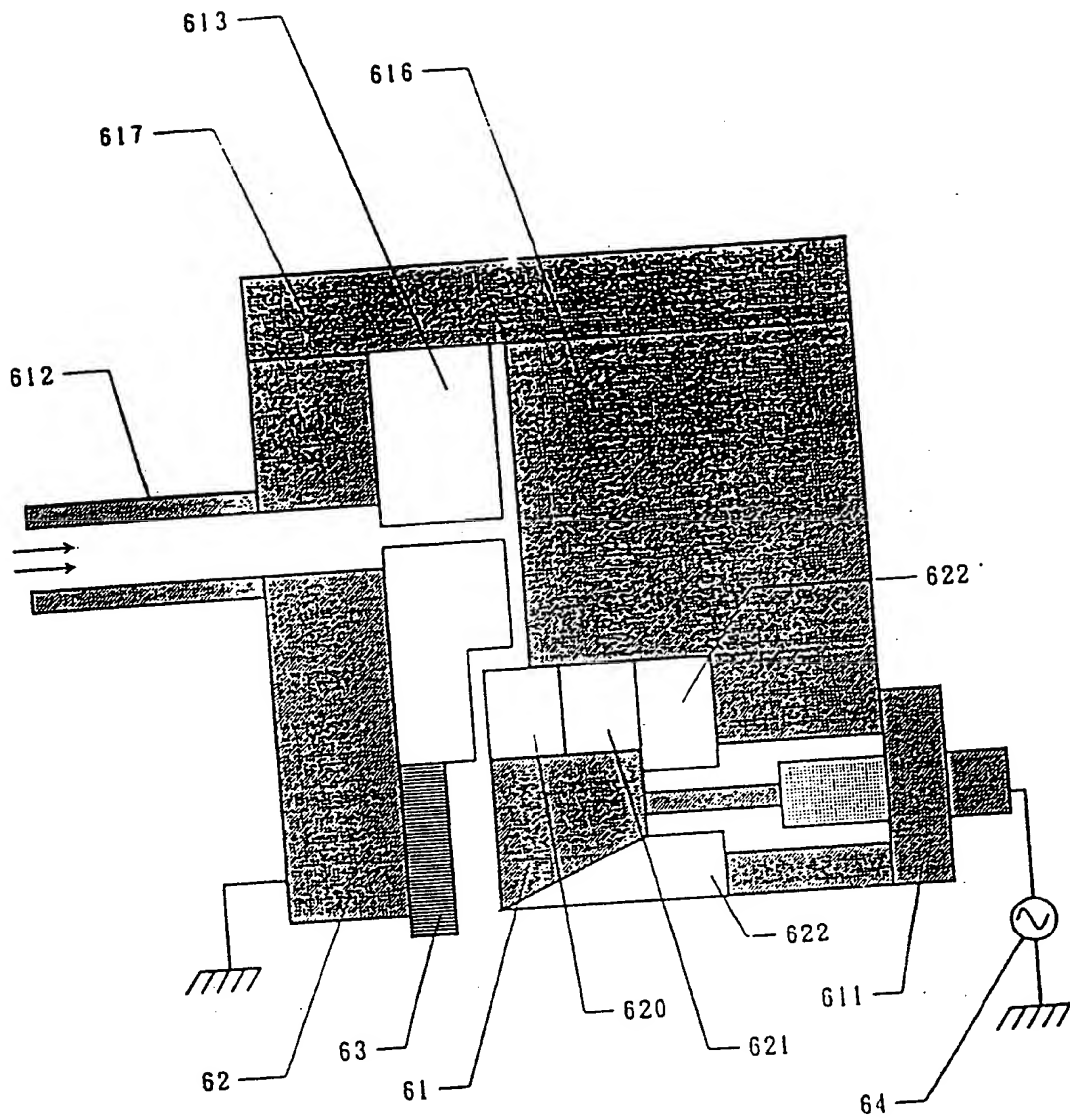


FIG. 11

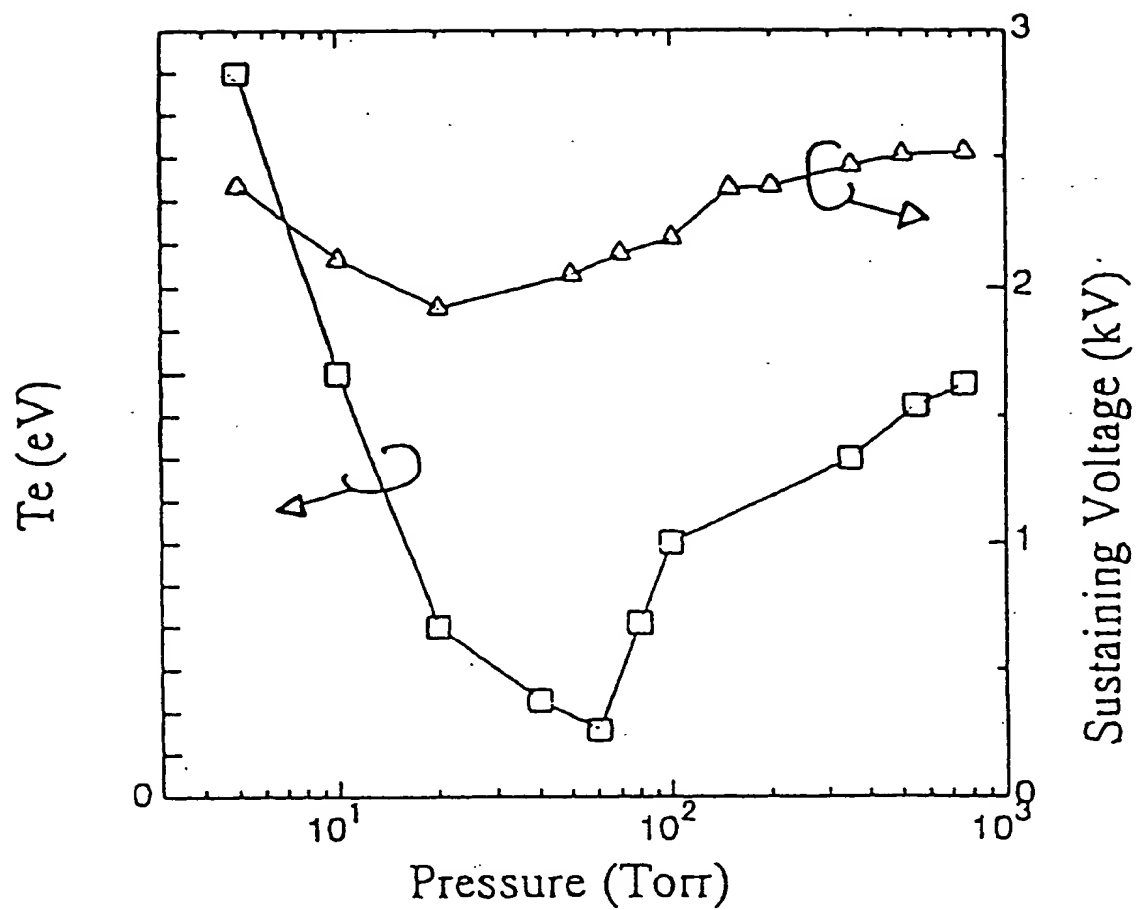


FIG. 12

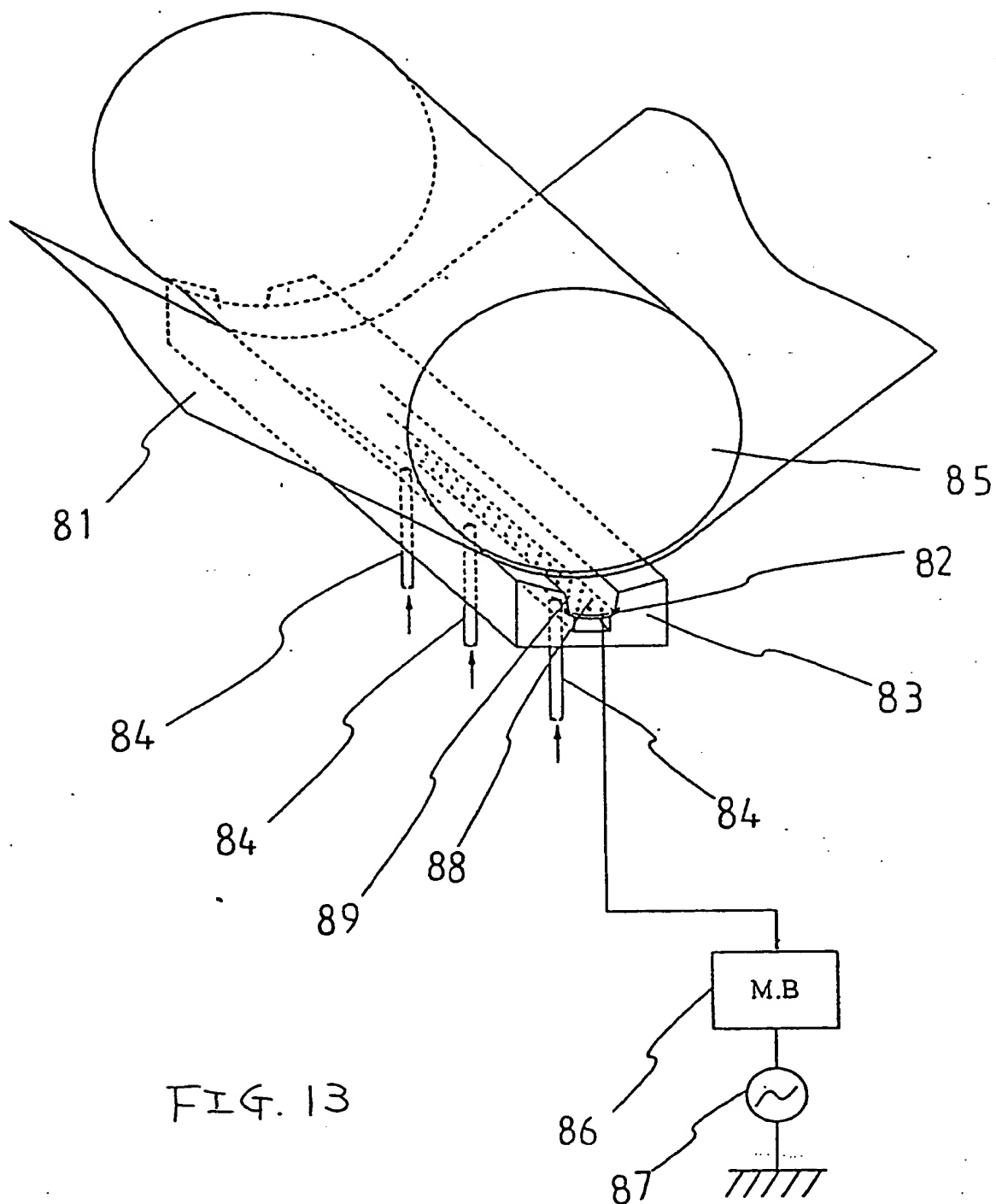


FIG. 13

009100" 18296260

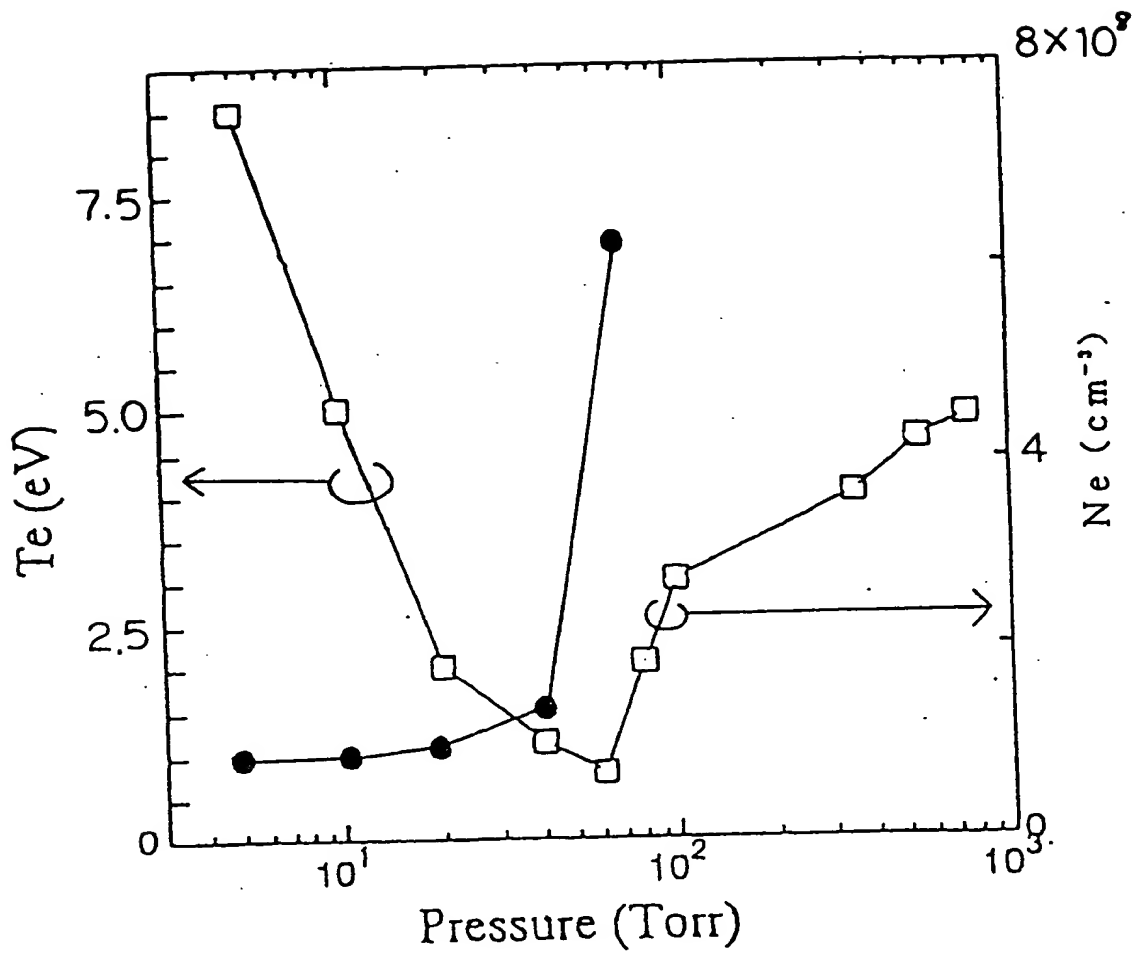


FIG. 14

